STIC Search Report
EIC 3600

STIC Database Tracking Number: 116934

TO: Fred Lagman **Location: Pk. 5, 2T06** **Art Unit: 3673** **Tuesday, March 16, 2004** **Case Serial Number: 10/056494**	**From: Caryn Wesner-Early** **Location: EIC 3600** **PK5-Suite 804** **Phone: 306-5967** **caryn.wesner@uspto.gov**

Search Notes

If a modification or re-focus of this search is needed, please let me know.

Caryn S. Wesner-Early, MSLS
Technical Information Specialist
EIC 3600, US Patent & Trademark Office
Phone: (703) 306-5967
Fax: (703) 306-5758
caryn.wesner@uspto.gov

STIC EIC 3600 Search Request Form

116934
14

Today's Date: 3/12/04 Priority Date: 1/28/02

Your Name [illegible]

AU 3623 Examiner # 71[illegible]

Room # [illegible] Phone 305-7457

Serial # 10/[illegible]

Format for Search Results: PAPER DISK EMAIL

Where have you searched?

William P. Cramer

Please attach citations of relevant art you have found.

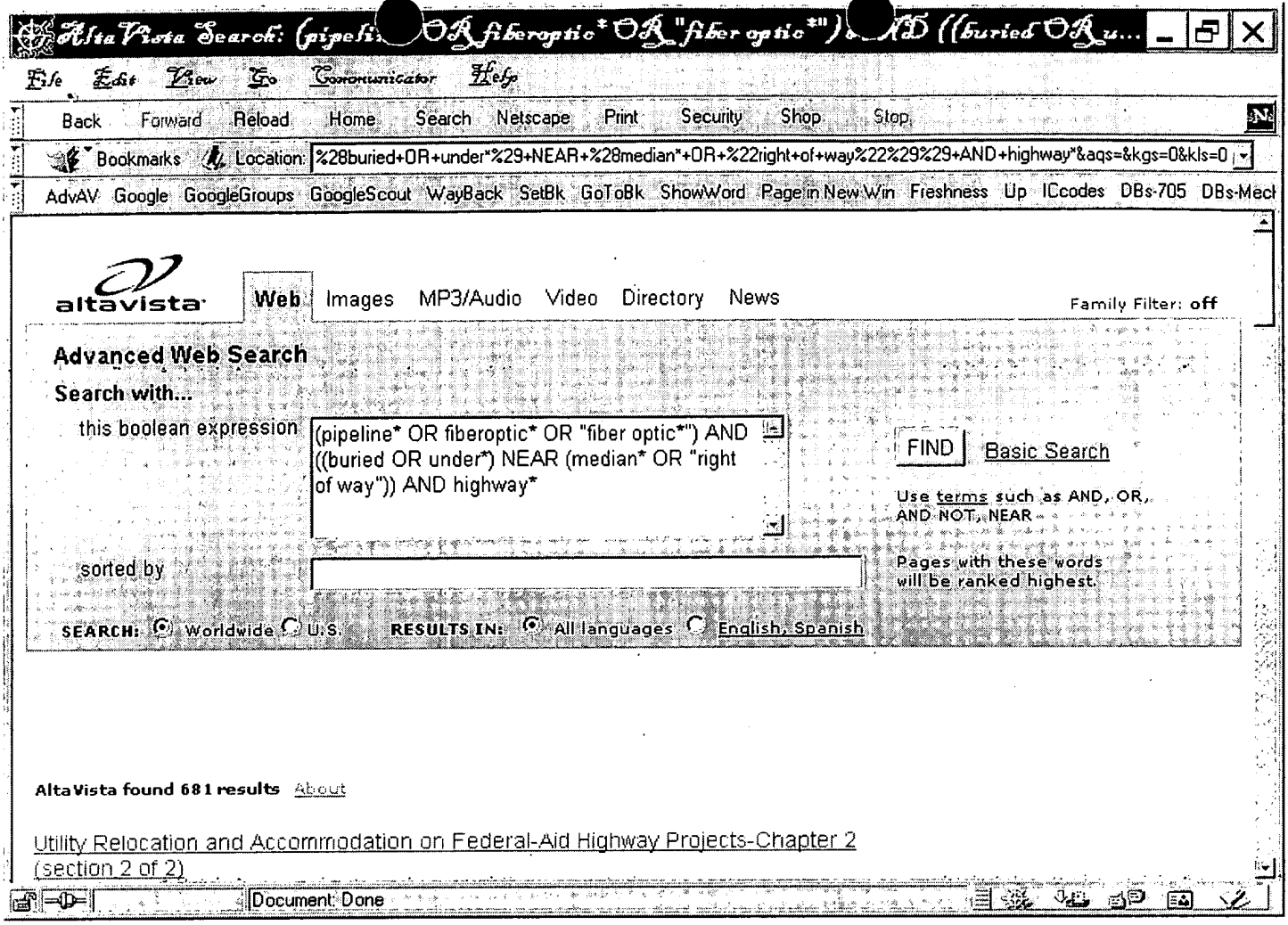
What is the focus of this search?
Please include concepts, synonyms, keywords, definitions, strategies, in short anything that help to describe the topic. Please attach a copy of the abstract and pertinent claims.

~~for~~ looking for a system that is (vaulted / buried) in the median or right-of-way of an interstate highway. The system may be for petroleum/oil, natural gas, fiber optic, electricity. The system needs to span the majority of the length of the highway.

405/184.4 405/154.1 405/184 (379)
e03f-003? b63b-035? e02f-005? ~~(455)~~
f16l-001? Qwest (137)
" -003? (466)

STIC Searcher [illegible] Phone 306-5967
Date picked up 3/15/04 Date completed

sira Search and Information Resources Administration


AltaVista Search: (pipeli OR fiberoptic* OR "fiber optic*") AND ((buried OR u...
File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Shop Stop
Bookmarks Location: %28buried+OR+under*%29+NEAR+%28median*+OR+%22right+of+way%22%29+AND+highway*&aqs=&kgs=0&kls=0
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altavista
Web Images MP3/Audio Video Directory News
Family Filter: off
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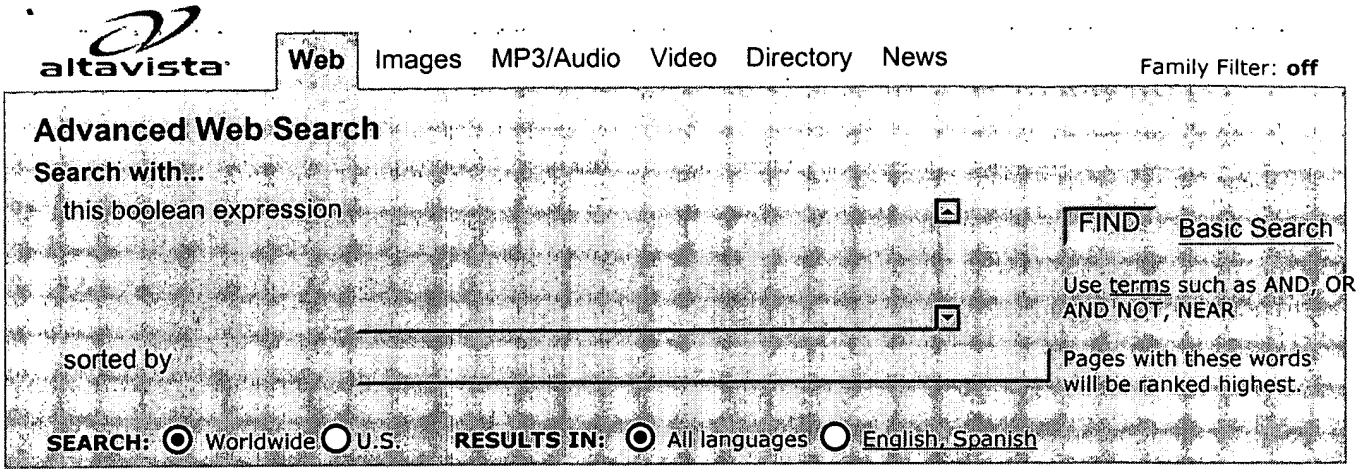
Search with...
this boolean expression
(pipeline* OR fiberoptic* OR "fiber optic*") AND ((buried OR under*) NEAR (median* OR "right of way")) AND highway*
FIND
Basic Search
Use terms such as AND, OR, AND NOT, NEAR
sorted by
Pages with these words will be ranked highest.
SEARCH: Worldwide U.S.
RESULTS IN: All languages English, Spanish
AltaVista found 681 results About
Utility Relocation and Accommodation on Federal-Aid Highway Projects-Chapter 2 (section 2 of 2)
Document: Done



AltaVista found 681 results About

Utility Relocation and Accommodation on Federal-Aid Highway Projects-Chapter 2 (section 2 of 2)
... between **buried fiber optics** cables and other ... freeway **right-of-way** for **fiber optics** under appropriate ... installed on highway **right-of-way**. However, it is important to **understand** that ...
www.fhwa.dot.gov/reports/utilguid/util2a.htm

Bechtel Briefs - October 1999
File type:PDF - Download PDF Reader
... while a remotely piloted **underwater** plow **buried** cable a meter deep in ... Trans-Thailand-Malaysia **pipelines** and other facilities ... tunnel sections under the **right-of-way** even as trains cross ...
www.bechtel.com/PDF/1099brfs.pdf

Volpe Center: US DOT SBIR 2003 Program Solicitation
Official web site of the United States Department of Transportation's Small Business Innovation Research Program ... pig. For **buried pipelines**, a transient-thermal :.. of **right of way** alignments. The combination ...
www.volpe.dot.gov/sbir/sol03/sec8full.html

Statement of Need: Utility Locating Technologies
... gas, cable TV, **fiber optics**, traffic signals, street lighting ... major oil and gas **pipelines**, national defense communication ... must be applicable in urban **right-of-way** settings as well as ...
www.nalusda.gov/ttic/utilfnl.htm • Related Pages

Chapter Thirteen
... 13: Engineering and **Right of Way** Significant Events Division of ... was initiated and is **underway**. A program to inspect and reanalyze ... revegetation work over the **buried** pipeline was awarded in ...
wwwswpao.water.ca.gov/publications/bulle...text/cha13.html

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Searched for **http://www.fhwa.dot.gov/reports/utilguid** **9** Results

* denotes when site was updated.

Search Results for Jan 01, 1996 - Mar 16, 2004

1996	1997	1998	1999	2000	2001	2002	2003	2004
0 pages	0 pages	0 pages	0 pages	1 pages	2 pages	3 pages	3 pages	0 pages
				Aug 31, 2000 *	Nov 01, 2001	Sep 20, 2002	Jan 06, 2003	
					Dec 22, 2001	Nov 15, 2002	Feb 18, 2003	
						Nov 18, 2002	Jul 28, 2003	

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?show files;ds
File 347:JAPIO Nov 1976-2003/Nov(Updated 040308)
         (c) 2004 JPO & JAPIO
File 348:EUROPEAN PATENTS 1978-2004/Mar W01
         (c) 2004 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20040311,UT=20040304
         (c) 2004 WIPO/Univentio
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200417
         (c) 2004 Thomson Derwent
File 371:French Patents 1961-2002/BOPI 200209
         (c) 2002 INPI.  All rts. reserv.
File 120:U.S. Copyrights 1978-2004/Mar 09
         (c) format only 2004 The Dialog Corp.
File 426:LCMARC-Books 1968-2004/Mar W1
         (c) format only 2004 Dialog Corporation
File 430:British Books in Print 2003/Nov W5
         (c) 2003 J. Whitaker & Sons Ltd.
File 105:AESIS 1851-2001/Jul
         (c) 2001 Australian Mineral Foundation Inc
File  35:Dissertation Abs Online 1861-2004/Feb
         (c) 2004 ProQuest Info&Learning
File  65:Inside Conferences 1993-2004/Mar W2
         (c) 2004 BLDSC all rts. reserv.
File   8:Ei Compendex(R) 1970-2004/Mar W1
         (c) 2004 Elsevier Eng.  Info. Inc.
File 103:Energy SciTec 1974-2004/Feb B2
         (c) 2004 Contains copyrighted material
File  40:Enviroline(R) 1975-2004/Feb
File  96:FLUIDEX 1972-2004/Feb
         (c) 2004 Elsevier Science Ltd.
File  58:GeoArchive 1974-2004/Sep
         (c) 2004 Geosystems
File 292:GEOBASE(TM) 1980-2004/Mar
         (c) 2004 Elsevier Science Ltd.
File  89:GeoRef 1785-2004/Mar B1
         (c) 2004 American Geological Institute
File  94:JICST-EPlus 1985-2004/Mar W1
         (c)2004 Japan Science and Tech Corp(JST)
File   6:NTIS 1964-2004/Mar W1
         (c) 2004 NTIS, Intl Cpyrght All Rights Res
File 144:Pascal 1973-2004/Mar W1
         (c) 2004 INIST/CNRS
File 323:RAPRA Rubber & Plastics 1972-2004/Mar
          (c) 2004 RAPRA Technology Ltd
File  34:SciSearch(R) Cited Ref Sci 1990-2004/Mar W1
         (c) 2004 Inst for Sci Info
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
         (c) 1998 Inst for Sci Info
File  87:TULSA (Petroleum Abs) 1965-2004/Mar W2
         (c)2004 The University of Tulsa
File  99:Wilson Appl. Sci & Tech Abs 1983-2004/Feb
         (c) 2004 The HW Wilson Co.
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
         (c) 2002 The Gale Group
File   2:INSPEC 1969-2004/Mar W1
         (c) 2004 Institution of Electrical Engineers
File  25:Weldasearch 1966-2002/Sep
         (c) 2004 TWI Ltd
File 111:TGG Natl.Newspaper Index(SM) 1979-2004/Mar 15
         (c) 2004 The Gale Group
File 990:NewsRoom Current Nov 2003-2004/Mar 15
         (c) 2004 The Dialog Corporation
File 621:Gale Group New Prod.Annou.(R) 1985-2004/Mar 15
         (c) 2004 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2004/Mar 15
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        (c) 2004 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2004/Mar 09
        (c)2004 The Gale Group
File 624:McGraw-Hill Publications 1985-2004/Mar 15
        (c) 2004 McGraw-Hill Co. Inc
File  95:TEME-Technology & Management 1989-2004/Feb W4
        (c) 2004 FIZ TECHNIK
File  15:ABI/Inform(R) 1971-2004/Mar 15
        (c) 2004 ProQuest Info&Learning
File 635:Business Dateline(R) 1985-2004/Mar 13
        (c) 2004 ProQuest Info&Learning
File 610:Business Wire 1999-2004/Mar 15
        (c) 2004 Business Wire.
File 647:CMP  Computer Fulltext 1988-2004/Mar W1
        (c) 2004 CMP Media, LLC
File 674:Computer News Fulltext 1989-2004/Mar W1
        (c) 2004 IDG Communications
File 275:Gale Group Computer DB(TM) 1983-2004/Mar 15
        (c) 2004 The Gale Group
File 696:DIALOG Telecom. Newsletters 1995-2004/Mar 13
        (c) 2004 The Dialog Corp.
File  16:Gale Group PROMT(R) 1990-2004/Mar 15
        (c) 2004 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
        (c) 1999 The Gale Group
File  47:Gale Group Magazine DB(TM) 1959-2004/Mar 15
        (c) 2004 The Gale group
File 482:Newsweek 2000-2004/Mar 09
        (c) 2004 Newsweek, Inc.
File 483:Newspaper Abs Daily 1986-2004/Mar 12
        (c) 2004 ProQuest Info&Learning
File 484:Periodical Abs Plustext 1986-2004/Mar W1
        (c) 2004 ProQuest
File 141:Readers Guide 1983-2004/Feb
        (c) 2004 The HW Wilson Co

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S1        137   AU='CRAMER W'
S2         10   AU='CRAMER W P'
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S4          2   AU='CRAMER WP'
S5          0   AU='CRAMER WILLIAM'
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                OR S11 OR S12 OR S13 OR S14
S16        39   S15 FROM 347,348,349,350,371
S17     62027   IC=(E03F-003? OR F16L-001? OR F16L-003? OR B63B-035? OR E0-
                2F-005?)
S18         1   S16 AND S17
S19  11856526   PIPE? ? OR PIPELINE? ? OR CONDUIT? ? OR SUPPLY()LINE? ? OR
                CABLE? ? OR DUCT? ? OR PIPING? ? OR WIRE? ?
S20         8   S16 AND S19
S21         8   S18 OR S20
S22         8   IDPAT (sorted in duplicate/non-duplicate order)
S23         8   IDPAT (primary/non-duplicate records only)
S24       232   S15 NOT S16
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S25 3 S19 AND [redacted]4
S26 11 S23 OR [redacted]

26/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015648274 **Image available**
WPI Acc No: 2003-710457/200367
XRPX Acc No: N03-568039
Intercontinental power grid distribution for locating various products *supply* *lines*, including fiber optics and electricity, involves placing product *supply* *lines* below ground surface of interstate highway median and adjacent areas
Patent Assignee: CRAMER W P (CRAM-I)
Inventor: *CRAMER W P*
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20030143033	A1	20030731	US 200256494	A	20020128	200367	B

Priority Applications (No Type Date): US 200256494 A 20020128
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030143033	A1		6	E03F-003/06	

Intercontinental power grid distribution for locating various products *supply* *lines*, including fiber optics and electricity, involves placing product *supply* *lines* below ground surface of interstate highway median and adjacent areas
Inventor: *CRAMER W P*

Abstract (Basic):
... An intercontinental power grid distribution system is provided by placing energy product *supply* *lines* below the ground surface of the median of an interstate highway and the right-of-ways immediately adjacent the interstate highway. Each *supply* *line* is connected to a source of an energy product and to an outlet line such...
... Providing an intercontinental power grid distribution system (10) comprises placing energy product *supply* *lines* below the ground surface of the median of an interstate highway (11) and the right-of-ways immediately adjacent the interstate highway. The energy product *supply* *lines* supply energy products such as petroleum, gas, gasoline, fiber optics or electricity. Each *supply* *line* is connected to a source of an energy product. Each *supply* *line* is connected to an outlet line extending at an angle below the round such as...
Technology Focus:
... Preferred Process: When the energy product is petroleum, pumping stations for each petroleum *supply* *line* are provided, and each petroleum *supply* *line* is interconnected to a pumping station (18) to maintain the pressure in the petroleum *supply* *line*.
International Patent Class (Main): *E03F-003/06*
International Patent Class (Additional): *F16L-001/06*

26/3,K/9 (Item 1 from file: 87)
DIALOG(R)File 87:TULSA (Petroleum Abs)
(c)2004 The University of Tulsa. All rts. reserv.

00445977 PETROLEUM ABSTRACTS NO.: 191395
***PIPELINE* CONSISTING OF A METALLIC *PIPE* EQUIPPED WITH A THERMAL INSULATION LAYER AND INTENDED FOR THE TRANSMISSION OF LIQUID OR GASEOUS FLUIDS**
AUTHOR (INVENTOR): ASSELBORN P; *CRAMER W*
PATENT INFORMATION: FR 2175753, C 10/26/73, F 2/16/73, PR GER 3/13/72; FELTEN & GUILL KABEL AG (IN FRENCH)
PATENT (NO, DATE): FR 2175753 19731026

APPLICATION (NO, DATE): 19730216
PUBLICATION YEAR: 1973
LANGUAGE: FRENCH

***PIPELINE* CONSISTING OF A METALLIC *PIPE* EQUIPPED WITH A THERMAL INSULATION LAYER AND INTENDED FOR THE TRANSMISSION OF LIQUID OR GASEOUS...**

...AUTHOR (INVENTOR): *CRAMER W*
PRIMARY DESCRIPTOR: *PIPELINE* DESIGN
...MINOR DESCRIPTORS: *PIPE*; ...

...*PIPELINE*; ...

...*PIPELINE* CONSTRUCTION

26/AA,AN,AZ,TI/1 (Item 1 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

015648274
WPI Acc No: 2003-710457/
Intercontinental power grid distribution for locating various products *supply* *lines*, including fiber optics and electricity, involves placing product *supply* *lines* below ground surface of interstate highway median and adjacent areas
Local Applications (No Type Date): US 200256494 A 20020128
Priority Applications (No Type Date): US 200256494 A 20020128

26/AA,AN,AZ,TI/2 (Item 2 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

010012983
WPI Acc No: 1994-280694/
Control unit for gas burner of cooking panel with glass ceramic cooking surface - has hand operated adjusting element for gas supply valve and igniter unit with glow igniter and thermometer probe in form of thermocouple
Local Applications (No Type Date): DE 4307073 A 19930306; DE 4307073 A 19930306
Priority Applications (No Type Date): DE 4307073 A 19930306

26/AA,AN,AZ,TI/3 (Item 3 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

009813309
WPI Acc No: 1994-093165/
Automatic firing device for gas central heating boiler - has microprocessor control of igniter and gas supply control valve for burner
Local Applications (No Type Date): DE 4230390 A 19920911
Priority Applications (No Type Date): DE 4230390 A 19920911

26/AA,AN,AZ,TI/4 (Item 4 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

009149789
WPI Acc No: 1992-277227/
Cooking and boiling ring with open flame gas burner - has anti-popping ignition device housed in chamber in distribution cup
Local Applications (No Type Date): DE 4103049 A 19910201; DE 4103049 A 19910201
Priority Applications (No Type Date): DE 4103049 A 19910201

26/AA,AN,AZ,TI/5 (Item 5 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

008323849
WPI Acc No: 1990-210850/
Cooker with one or more hobs - is covered by ceramic sheet and has fan-assisted waste heat control
Local Applications (No Type Date): DE 3844081 A 19881228; GB 8928689 A 19891220; US 89441902 A 19891128; ES 893811 A 19891110; GB 8928689 A 19891220; DE 3844081 A 19881228; IT 8922367 A 19891113
Priority Applications (No Type Date): DE 3844081 A 19881228

26/AA,AN,AZ,TI/6 (Item 6 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

008006303
WPI Acc No: 1989-271415/
.Starter battery for vehicle - has multiple pole connector incorporated into battery casing, linked directly internally to battery terminals
Local Applications (No Type Date): DE 3821861 A 19880629; EP 89710046 A 19890520; EP 89710046 A 19890520; DE 509286 A 19890520; EP 89710046 A 19890520; EP 89710046 A 19890520
Priority Applications (No Type Date): DE 3821861 A 19880629

26/AA,AN,AZ,TI/7 (Item 7 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

004437907
WPI Acc No: 1985-264785/
Electrical lead accumulator cell - has pole fitted through opening in accumulator housing provided with opposing flanges joined via opening
Local Applications (No Type Date): EP 84104109 A 19840412
Priority Applications (No Type Date): EP 84104109 A 19840412

26/AA,AN,AZ,TI/8 (Item 8 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

004308569
WPI Acc No: 1985-135447/
Positioning separators between vertical stone slabs - machine cuts lengths plastic tubing bends end and drops on slab
Local Applications (No Type Date): DE 3328549 A 19830808; DE 3328459 A 19830808
Priority Applications (No Type Date): DE 3328549 A 19830808; DE 3328459 A 19830808

26/AA,AN,AZ,TI/9 (Item 1 from file: 87)
DIALOG(R)File 87:(c)2004 The University of Tulsa. All rts. reserv.

00445977 PETROLEUM ABSTRACTS NO.: 191395
***PIPELINE* CONSISTING OF A METALLIC *PIPE* EQUIPPED WITH A THERMAL INSULATION LAYER AND INTENDED FOR THE TRANSMISSION OF LIQUID OR GASEOUS FLUIDS**
APPLICATION (NO, DATE): 19730216

26/AA,AN,AZ,TI/10 (Item 1 from file: 148)
DIALOG(R)File 148:(c)2004 The Gale Group. All rts. reserv.

05867415 SUPPLIER NUMBER: 12228699
Accelerate RF mixer measurements. (combining spectrum analyzer and tracking source) (Test & Measurement special section) (Tutorial)

26/AA,AN,AZ,TI/11 (Item 1 from file: 275)
DIALOG(R)File 275:(c) 2004 The Gale Group. All rts. reserv.

01516053 SUPPLIER NUMBER: 12228699
Accelerate RF mixer measurements. (combining spectrum analyzer and tracking source) (Test & Measurement special section) (Tutorial)

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?show files;ds
File 347:JAPIO Nov 1976-2003/Nov(Updated 040308)
         (c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200417
         (c) 2004  Thomson Derwent
File 371:French Patents 1961-2002/BOPI 200209
         (c) 2002 INPI.  All rts. reserv.

Set     Items   Description
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S3    3255892   BURY??? OR BURIE? ? OR LOCATED OR ADJACENT OR NEXT()TO OR -
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               OR SUBSURFACE OR INTER OR INTERR???
S4     112614   MEDIAN? ? OR RIGHT(2W)WAY OR (EMERGENCY OR MEDIAL)()(LANE -
               OR LANES OR STRIP OR STRIPS) OR SHOULDER? ? OR BORDER? ? OR E-
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S5     138140   HIGHWAY? ? OR INTERSTATE? ? OR FREEWAY? ? OR ROAD? OR TURN-
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               Y? ? OR EXPRESSWAY? ? OR SUPERHIGHWAY? ? OR THOROUGHFARE? ? OR
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S6     446467   S1(7N)S2
S7         60   S3(10N)(S4(5N)S5)
S8          2   S6(S)S7
S9        189   S3(S)(S4(10N)S5)
S10         4   S6 AND S9
S11    486857   S1(10N)S2
S12         4   S9 AND S11
S13        11   S11 AND (S3 AND (S4(S)S5))
S14        11   IDPAT (sorted in duplicate/non-duplicate order)
S15        11   IDPAT (primary/non-duplicate records only)
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15/3,K/2 (Item 2 f[redacted] file: 350)
DIALOG(R)File 350:Derwe[redacted]WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015648274 **Image available**
WPI Acc No: 2003-710457/200367
XRPX Acc No: N03-568039
Intercontinental *power* grid distribution for locating various products *supply* *lines*, including *fiber* *optics* and *electricity*, involves placing product *supply* *lines* *below* ground surface of *interstate* *highway* *median* and *adjacent* areas
Patent Assignee: CRAMER W P (CRAM-I)
Inventor: CRAMER W P
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20030143033	A1	20030731	US 200256494	A	20020128	200367	B

Priority Applications (No Type Date): US 200256494 A 20020128
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030143033	A1		6	E03F-003/06	

Intercontinental *power* grid distribution for locating various products *supply* *lines*, including *fiber* *optics* and *electricity*, involves placing product *supply* *lines* *below* ground surface of *interstate* *highway* *median* and *adjacent* areas

Abstract (Basic):
... An intercontinental *power* grid distribution system is provided by placing *energy* product *supply* *lines* *below* the ground surface of the *median* of an *interstate* *highway* and the right-of-ways immediately *adjacent* the *interstate* *highway*. Each *supply* *line* is connected to a source of an *energy* product and to an outlet line such as supplying distributors and end users with energy...
... Providing an intercontinental *power* grid distribution system (10) comprises placing *energy* product *supply* *lines* *below* the ground surface of the *median* of an *interstate* *highway* (11) and the right-of-ways immediately *adjacent* the *interstate* *highway*. The *energy* product *supply* *lines* supply *energy* products such as *petroleum*, *gas*, *gasoline*, *fiber* *optics* or *electricity*. Each *supply* *line* is connected to a source of an *energy* product. Each *supply* *line* is connected to an outlet line extending at an angle *below* the ground such as for supplying distributors and end users with energy product...
Technology Focus:
... Preferred Process: When the *energy* product is *petroleum*, pumping stations for each *petroleum* *supply* *line* are provided, and each *petroleum* *supply* *line* is interconnected to a pumping station (18) to maintain the pressure in the *petroleum* *supply* *line*.
...Title Terms: *BELOW*;

15/3,K/4 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012904354 **Image available**
WPI Acc No: 2000-076190/200007
XRPX Acc No: N00-059469
***Median* duct for use in *road* - has base closed on top with cover of ornamental arching parts such that arching parts match with grooves provided in box**
Patent Assignee: NARUKKUSU KK (NARU-N)
Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 11323844	A	19991126	JP 98146605	A	19980511	200007	B

Priority Applications (No Type Date): JP 98146605 A 19980511
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11323844	A		14	E01F-001/00	

***Median* duct for use in *road* -**

...Abstract (Basic): USE - Is capable of accommodating *telecommunicating* *cables*, drainage *pipe*, *wires* and is used for laying in road...
...ADVANTAGE - Faults can be *located* easily and repaired. Because of arched cover, dust does not get collected, rain water washes...
Title Terms: *MEDIAN*;

15/3,K/5 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX

009925821 **Image available**
WPI Acc No: 1994-193532/199424
XRPX Acc No: N94-152348
Tunnel construction method for *beneath* road or rail embankment - involves driving hollow structures through embankment simultaneously from each side, together with upper tubes or bars to form lintel
Patent Assignee: BEAUTHIER J M (BEAU-I); BEAUTHIER J (BEAU-I)
Inventor: BEAUTHIER J M; BEAUTHIER J
Number of Countries: 011 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 603024	A1	19940622	EP 93402915	A	19931201	199424	B
FR 2699594	A1	19940624	FR 9215250	A	19921217	199428	
EP 603024	B1	19970212	EP 93402915	A	19931201	199712	
DE 69308114	E	19970327	DE 608114	A	19931201	199718	
			EP 93402915	A	19931201		

Priority Applications (No Type Date): FR 9215250 A 19921217
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 603024	A1	F	9	E21D-009/00	
Designated States (Regional): BE CH DE ES FR GB IT LI LU NL PT					
EP 603024	B1	F	11	E21D-009/00	
Designated States (Regional): BE CH DE ES FR GB IT LI LU NL PT					
DE 69308114	E			E21D-009/00	Based on patent EP 603024
FR 2699594	A1			E21D-009/08	

Tunnel construction method for *beneath* road or rail embankment...

...Abstract (Basic): of driving two hollow structures (11) through the embankment (4) from either side, using traction *cables* (14, 15) and *power* cylinders (16, 17). Above the structures tubes (23) or rigid metal bars are driven progressively...
...Abstract (Equivalent): Process for the construction of transversal passages (6) *under* rail or *roadways* (1) supported on an embankment (5) by means of two hollow frames (11, 12) positioned...

...tubes (23) or rigid metal sections constituting a horizontal arch (9) forming a support beam *under* the *road* or railway simultaneously with the bringing together of the two frames, so that the tubes...

...being brought together up to the point where they come into contact approximately in the *median* plane (35) of the embankment, the tubes

or sections being a[redacted]nged so that they can...
...Title Terms: *BENEATH[redacted]

15/AN,AZ,TI/1 (Item [redacted] from file: 350)
DIALOG(R)File 350:(c) 20[redacted] Thomson Derwent. All rts. re[redacted]v.

015989169
Composition for fluororesin coating materials, contains preset amount of fluororesin having fluorine and low contamination agent which contains different polymer units
Local Applications (No Type Date): JP 2001332816 A 20011030
Priority Applications (No Type Date): JP 2001332816 A 20011030

15/AN,AZ,TI/2 (Item 2 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

015648274
Intercontinental *power* grid distribution for locating various products *supply* *lines*, including *fiber* *optics* and *electricity*, involves placing product *supply* *lines* *below* ground surface of *interstate* *highway* *median* and *adjacent* areas
Local Applications (No Type Date): US 200256494 A 20020128
Priority Applications (No Type Date): US 200256494 A 20020128

15/AN,AZ,TI/3 (Item 3 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

014592141
Unmanned visual monitoring system for highways, railroad crossings, has propeller and brake to propel and stop movement of carriage which is guided through elevated track cables supported on superstructure
Local Applications (No Type Date): US 99324716 A 19990603
Priority Applications (No Type Date): US 99324716 A 19990603

15/AN,AZ,TI/4 (Item 4 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

012904354
***Median* duct for use in *road* - has base closed on top with cover of ornamental arching parts such that arching parts match with grooves provided in box**
Local Applications (No Type Date): JP 98146605 A 19980511
Priority Applications (No Type Date): JP 98146605 A 19980511

15/AN,AZ,TI/5 (Item 5 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

009925821
Tunnel construction method for *beneath* road or rail embankment - involves driving hollow structures through embankment simultaneously from each side, together with upper tubes or bars to form lintel
Local Applications (No Type Date): EP 93402915 A 19931201; FR 9215250 A 19921217; EP 93402915 A 19931201; DE 608114 A 19931201; EP 93402915 A 19931201
Priority Applications (No Type Date): FR 9215250 A 19921217

15/AN,AZ,TI/6 (Item 6 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

001716471
Miniature *underground* railway track - is formed of Usection reinforced concrete beam covered by removable slabs
Priority Applications (No Type Date): BE 849705 A 19761222

15/AN,AZ,TI/7 (Item 7 from file: 347)
DIALOG(R)File 347:(c) 2004 JPO & JAPIO. All rts. reserv.

07007463
GAS INTERRUPTING DEVICE

APPL. NO.: 2000-044773 [JP 200044773]

15/AN,AZ,TI/8 (Item 8 from file: 347)
DIALOG(R)File 347:(c) 2004 JPO & JAPIO. All rts. reserv.

05196984
ROAD *SHOULDER* STONE TYPE SNOW COVER SENSOR AND SNOWMELT METHOD USING IT

APPL. NO.: 06-294135 [JP 94294135]

15/AN,AZ,TI/9 (Item 9 from file: 347)
DIALOG(R)File 347:(c) 2004 JPO & JAPIO. All rts. reserv.

05158455
COVER FOR *SUBSURFACE* STRUCTURE

APPL. NO.: 06-249819 [JP 94249819]

15/AN,AZ,TI/10 (Item 10 from file: 347)
DIALOG(R)File 347:(c) 2004 JPO & JAPIO. All rts. reserv.

03584903
ROAD HEATING METHOD BY CONSTRUCTION OF CASING

APPL. NO.: 02-045318 [JP 9045318]

15/AN,AZ,TI/11 (Item 11 from file: 347)
DIALOG(R)File 347:(c) 2004 JPO & JAPIO. All rts. reserv.

03110501
ROAD *SHOULDER* INDICATOR AND INDICATING METHOD THEREFOR

APPL. NO.: 63-236931 [JP 88236931]

```
?show files;ds
File 105:AESIS 1851-200[illegible]ul
         (c) 2001 Australian Mineral Foundation Inc
File  35:Dissertation Abs Online 1861-2004/Feb
         (c) 2004 ProQuest Info&Learning
File  65:Inside Conferences 1993-2004/Mar W2
         (c) 2004 BLDSC all rts. reserv.
File   8:Ei Compendex(R) 1970-2004/Mar W1
         (c) 2004 Elsevier Eng.  Info. Inc.
File 103:Energy SciTec 1974-2004/Feb B2
         (c) 2004 Contains copyrighted material
File  40:Enviroline(R) 1975-2004/Feb
File  96:FLUIDEX 1972-2004/Feb
         (c) 2004 Elsevier Science Ltd.
File  58:GeoArchive 1974-2004/Sep
         (c) 2004 Geosystems
File 292:GEOBASE(TM) 1980-2004/Mar
         (c) 2004 Elsevier Science Ltd.
File  89:GeoRef 1785-2004/Mar B1
         (c) 2004 American Geological Institute
File  94:JICST-EPlus 1985-2004/Mar W1
         (c)2004 Japan Science and Tech Corp(JST)
File   6:NTIS 1964-2004/Mar W1
         (c) 2004 NTIS, Intl Cpyrght All Rights Res
File 144:Pascal 1973-2004/Mar W1
         (c) 2004 INIST/CNRS
File 323:RAPRA Rubber & Plastics 1972-2004/Mar
          (c) 2004 RAPRA Technology Ltd
File  34:SciSearch(R) Cited Ref Sci 1990-2004/Mar W1
         (c) 2004 Inst for Sci Info
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
         (c) 1998 Inst for Sci Info
File  87:TULSA (Petroleum Abs) 1965-2004/Mar W2
         (c)2004 The University of Tulsa
File  99:Wilson Appl. Sci & Tech Abs 1983-2004/Feb
         (c) 2004 The HW Wilson Co.
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
         (c) 2002 The Gale Group
File   2:INSPEC 1969-2004/Mar W1
         (c) 2004 Institution of Electrical Engineers
File  25:Weldasearch 1966-2002/Sep
         (c) 2004 TWI Ltd
File 111:TGG Natl.Newspaper Index(SM) 1979-2004/Mar 15
         (c) 2004 The Gale Group

Set     Items   Description
S1    1834406   PIPE? ? OR PIPELINE? ? OR CONDUIT? ? OR SUPPLY()LINE? ? OR
               CABLE? ? OR DUCT? ? OR PIPING? ? OR WIRE? ?
S2   16536643   UTILIT??? OR PETROL??? OR OIL OR GASOLINE OR GAS OR NATURA-
               LGAS OR TELEPHONE OR TELECOM? OR TELE()(PHONE OR COMMUNICATIO-
               N? ?) OR FIB??OPTIC? ? OR (FIBER OR FIBRE)(N)OPTIC?? OR ELECT-
               RIC??? OR POWER OR ENERGY OR FUEL
S3    8637458   BURY??? OR BURIE? ? OR LOCATED OR ADJACENT OR NEXT()TO OR -
               SIDE(2W)SIDE OR CONTIGUOUS OR END(2W)END OR ABUT? ? OR ABUTTI-
               NG OR ADJOIN??? OR UNDER? OR BENEATH OR SUBTERRANEAN OR BELOW
               OR SUBSURFACE OR INTER OR INTERR???
S4     452194   MEDIAN? ? OR RIGHT(2W)WAY OR (EMERGENCY OR MEDIAL)()(LANE -
               OR LANES OR STRIP OR STRIPS) OR SHOULDER? ? OR BORDER? ? OR E-
               ASEMENT? ?
S5     602118   HIGHWAY? ? OR INTERSTATE? ? OR FREEWAY? ? OR ROAD? OR TURN-
               PIKE? ? OR MOTORWAY? ? OR (HIGH OR FREE OR MOTOR OR THRU)()WA-
               Y? ? OR EXPRESSWAY? ? OR SUPERHIGHWAY? ? OR THOROUGHFARE? ? OR
                THRUWAY? ? OR THROUGHWAY? ? OR PIKE? ? OR TOLLROAD? ?
S6     365552   S1(7N)S2
S7        204   S3(10N)(S4(5N)S5)
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S8	3	S6(S)S7
S9	393469	S1(10N)S[illegible]
S10	793	S3(S)(S4(10N)S5)
S11	11	S9(S)S10
S12	2186	QWEST
S13	0	S7 AND S12
S14	5	S4 AND S12
S15	5	S5 AND S12
S16	21	S11 OR S14 OR S15
S17	18	S16 NOT PY>2002
S18	17	S17 NOT PD=20020129:20040430
S19	17	RD (unique items)

19/3,K/1 (Item 1 f[redacted] file: 8)
DIALOG(R)File 8:Ei Co[redacted]ndex(R)

02030009 E.I. Monthly No: EI8610099343 E.I. Yearly No: EI86077342
Title: PLANS FOR FUTURE NATURAL GAS LINES SHOW LARGE INCREASE.
Author: Quarles, William R.
Corporate Source: Pipe Line Industry, Houston, TX, USA
Source: ipe Line Industry 0 v 65 n 2 Aug 1986 p 17-19
Publication Year: 1986
CODEN: PLINAH ISSN: 0032-0145
Language: ENGLISH

...Abstract: the Mid-west and Northeast markets continue to grow. The plans for future new natural *gas* transmission lines include Can-Am *gas* transmission system, ANR Eastern *Pipeline* Co, Northern *Border* *Pipeline* Co. , Irogois *Gas* Transmission System, Shell Canada Ltd, *interstate* *gas* transmission systems and interstate natural gas lines. A major construction project is also *underway* of carbon dioxide trunkline. Cross-country crude trunkline are currently being completed and these include...

19/3,K/4 (Item 3 from file: 103)
DIALOG(R)File 103:Energy SciTec

01725087 EDB-86-048761
Title: Nozay-Neuville line to transport gas for storage by Gaz de France
Author(s): Viaud, P.
Source: Pipeline Gas J. (United States) v 207. Coden: PLGJA
Publication Date: Oct 1980
p 46-50
Language: English

Abstract: Gaz de France has installed a 91-mile, 36-in. *gas* *pipeline* from Nozay to Neuville as part of a transmission feeder line to transport regasified Algerian LNG from Montoire to the Beynes *underground*-storage reservoir. All pipe for the line is API 5LX-65 grade, with wall thicknesses...

...375-0.681 in. and a hot-applied coal-tar-enamel/fiberglass-wrap coating. The *right*-of-*way* passes through forests, farmland, and swampy areas, crossing some 120 *roads* and railroads and 5 rivers. Construction engineers specified the use of (1) concrete sleeves laid in open cuts across minor roads, (2) casing pipe for crossings bored *under* railways or highways, and (3) concrete-weighted pipe for burial in riverbeds. The 24 welders...

19/3,K/5 (Item 4 from file: 103)
DIALOG(R)File 103:Energy SciTec

01514613 EDB-85-021375
Title: Common trenching reduces damage to buried utilities
Author(s): Alfiere, E.P.
Affiliation: Niagara Mohawk Power Co., Buffalo, NY
Source: Pipe Line Ind. (United States) v 57. Coden: PLINA
Publication Date: Sep 1982
p 29-30, 33
Language: English

Abstract: Since 1972 Niagara Mohawk Power Co. has established a *utility* corridor, installing 503 miles of *buried* *gas* mains and *electric*

cables in a common trench. Their guidelines for common trenching included (1) the developer's responsibility for providing a subdivision map showing the location of each sidewalk, lot, and *roadway*, (2) an *easement* strip paralleling the front lot (street) line that is to be cleared and graded by...

19/3,K/10 (Item 2 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)

09183762
Qwest drops thrifty option
US : *QWEST* ABANDONS PHONE SERVICE
Denver Post Online (AUE) 29 Oct 1999 p.1
Language: ENGLISH

Qwest drops thrifty option
US : *QWEST* ABANDONS PHONE SERVICE

Qwest Communications announced 27 October 1999 that it intends to stop for the time being its...

... talk long-distance phone service from 29 October 1999. The move is a condition of *Qwest* complying with federal rules with regards to its US$ 48bn merger with US West. *Qwest* is set to lose other long distance services in 2000. It is a requirement of...

...is competition for local phone services before an incumbent monopoly can offer a long distance *interstate* service.

COMPANY: US WEST; *QWEST* COMMUNICATIONS

19/3,K/12 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC

00908953 INSPEC Abstract Number: B76021665
Title: Cable placing in Bell Canada
Author(s): Stevens, J.C.
Author Affiliation: Bell Canada Northern Electric Res. Ltd., Ottawa, Ont., Canada
Conference Title: 2nd International Symposium on Subscriber Loops and Services p.63-7
Publisher: IEE, London, UK
Publication Date: 1976 Country of Publication: UK viii+209 pp.
ISBN: 0 85296 156 1
Conference Sponsor: IEE; IEEE; IERE; Inst. Mathematics & Its Applications
Conference Date: 3-7 May 1976 Conference Location: London, UK
Language: English
Subfile: B

...Abstract: on large highway trailers, and using the Side Payout method, is pulled directly into the *underground* duct system from the trailer. Urban distribution cable is custom made into a wiring harness...

... then shipped to the job site for laying in a trench jointly used with other *utilities*. Rural *cable* is *buried* directly in *road* allowances or on privately owned *right*-of-*way* by a fleet of plows, the commonest of which has been described.

19/3,K/14 (Item 2 from file: 111)
DIALOG(R)File 111:TGG Natl.Newspaper Index(SM)

(c) 2004 The Gale Group. All rts. reserv.

05734838 Supplier Number: 54061907
***Road* Runner Awards *Qwest* $10 Million Contract for High-Speed Connectivity.**
Business Wire, 1028
March 10, 1999
LANGUAGE: English RECORD TYPE: Citation

***Road* Runner Awards *Qwest* $10 Million Contract for High-Speed Connectivity.**

COMPANY NAMES: *Qwest* Communications International Inc.

19/3,K/15 (Item 3 from file: 111)
DIALOG(R)File 111:TGG Natl.Newspaper Index(SM)
(c) 2004 The Gale Group. All rts. reserv.

05436570 Supplier Number: 20581916
ALLTEL Expands *Interstate* Fiber Optic Network
PR Newswire, p512DATU014
May 12, 1998
LANGUAGE: English RECORD TYPE: Citation

ALLTEL Expands *Interstate* Fiber Optic Network

...COMPANY NAMES: *Qwest* Communications International Inc

19/3,K/16 (Item 4 from file: 111)
DIALOG(R)File 111:TGG Natl.Newspaper Index(SM)
(c) 2004 The Gale Group. All rts. reserv.

05257879 Supplier Number: 19777338
***Qwest* Signs Additional *Right*-of-*Way* Agreements for Advanced Fiber Network.**
Business Wire, p9231314
Sep 23, 1997
LANGUAGE: English RECORD TYPE: Citation

***Qwest* Signs Additional *Right*-of-*Way* Agreements for Advanced Fiber Network.**

COMPANY NAMES: *Qwest* Communications International Inc...

19/3,K/17 (Item 5 from file: 111)
DIALOG(R)File 111:TGG Natl.Newspaper Index(SM)
(c) 2004 The Gale Group. All rts. reserv.

05244014 Supplier Number: 19731570
***Qwest* Communications Reaches *Right* of *Way* Agreement With Florida East Coast Railroad for Network Expansion Route.**
Business Wire, p9091090
Sep 9, 1997
LANGUAGE: English RECORD TYPE: Citation

***Qwest* Communications Reaches *Right* of *Way* Agreement With Florida East Coast Railroad for Network Expansion Route.**

COMPANY NAMES: *Qwest* Communications International Inc...

19/AA,AN,TI/1 (Item [redacted] from file: 8)
DIALOG(R)File 8:(c) 2[redacted] Elsevier Eng. Info. Inc. All [redacted]s. reserv.

02030009
E.I. Monthly No: EI8610099343
Title: PLANS FOR FUTURE NATURAL GAS LINES SHOW LARGE INCREASE.

19/AA,AN,TI/2 (Item 1 from file: 103)
DIALOG(R)File 103:(c) 2004 Contains copyrighted material. All rts. reserv.

04779775 RN02012803; TVI 0206; TRN CA0200369; CANM
Title: Feeding the pipe -- development implications of a frontier pipeline
OSTI Number(s): DE20230279

19/AA,AN,TI/3 (Item 2 from file: 103)
DIALOG(R)File 103:(c) 2004 Contains copyrighted material. All rts. reserv.

02766419 EDB-89-157461; ERA-15-000038
OSTI Permanent No.: 89000125960
Title: H.R. 402: A bill to amend the Mineral Leasing Act of 1920 with respect to the movement of coal over public lands, and for other purposes. Introduced in the House of Representatives, One Hundredth First Congress, First Session, January 3, 1989

19/AA,AN,TI/4 (Item 3 from file: 103)
DIALOG(R)File 103:(c) 2004 Contains copyrighted material. All rts. reserv.

01725087 EDB-86-048761
Title: Nozay-Neuville line to transport gas for storage by Gaz de France

19/AA,AN,TI/5 (Item 4 from file: 103)
DIALOG(R)File 103:(c) 2004 Contains copyrighted material. All rts. reserv.

01514613 EDB-85-021375
Title: Common trenching reduces damage to buried utilities

19/AA,AN,TI/6 (Item 5 from file: 103)
DIALOG(R)File 103:(c) 2004 Contains copyrighted material. All rts. reserv.

01429262 EDB-84-127064
Title: Progas Ltd. signs protection clause

19/AA,AN,TI/7 (Item 1 from file: 89)
DIALOG(R)File 89:(c) 2004 American Geological Institute. All rts. reserv.

02253055 GEOREF NO.: 98-64285
TITLE: **The Serpent Mound magnetic anomaly; fingerprint of a meteorite impact?**
MONOGRAPH TITLE: **1998 AAPG Eastern Section meeting; abstracts**

19/AA,AN,TI/8 (Item 1 from file: 99)
DIALOG(R)File 99:(c) 2004 The HW Wilson Co. All rts. reserv.

1820140 H.W. WILSON RECORD NUMBER: BAST99007528
A damage mechanism: lightning-initiated fault-current arcs to communication cables buried beneath overhead electric power lines

19/AA,AN,TI/9 (Item from file: 583)
DIALOG(R)File 583:(c) 2002 The Gale Group. All rts. reserv.

09680212
Global visionaries put plans on hold as industry nurses hangover fro\
World: Telecoms companies rationalising to cut costs

19/AA,AN,TI/10 (Item 2 from file: 583)
DIALOG(R)File 583:(c) 2002 The Gale Group. All rts. reserv.

09183762
Qwest drops thrifty option
US : *QWEST* ABANDONS PHONE SERVICE

19/AA,AN,TI/11 (Item 1 from file: 2)
DIALOG(R)File 2:(c) 2004 Institution of Electrical Engineers. All rts. reserv.

Title: Under new management [telecom. companies]

19/AA,AN,TI/12 (Item 2 from file: 2)
DIALOG(R)File 2:(c) 2004 Institution of Electrical Engineers. All rts. reserv.

Title: Cable placing in Bell Canada

19/AA,AN,TI/13 (Item 1 from file: 111)
DIALOG(R)File 111:(c) 2004 The Gale Group. All rts. reserv.

05861910 Supplier Number: 54965179
US West Gives *Qwest* Cold *Shoulder* on Bid.(Financial)

19/AA,AN,TI/14 (Item 2 from file: 111)
DIALOG(R)File 111:(c) 2004 The Gale Group. All rts. reserv.

05734838 Supplier Number: 54061907
***Road* Runner Awards *Qwest* $10 Million Contract for High-Speed Connectivity.**

19/AA,AN,TI/15 (Item 3 from file: 111)
DIALOG(R)File 111:(c) 2004 The Gale Group. All rts. reserv.

05436570 Supplier Number: 20581916
ALLTEL Expands *Interstate* Fiber Optic Network

19/AA,AN,TI/16 (Item 4 from file: 111)
DIALOG(R)File 111:(c) 2004 The Gale Group. All rts. reserv.

05257879 Supplier Number: 19777338
***Qwest* Signs Additional *Right*-of-*Way* Agreements for Advanced Fiber Network.**

19/AA,AN,TI/17 (Item 5 from file: 111)
DIALOG(R)File 111:(c) 2004 The Gale Group. All rts. reserv.

05244014 Supplier Number: 19731570
***Qwest* Communications Reaches *Right* of *Way* Agreement With Florida East**

Coast Railroad for Ne[redacted]rk Expansion Route.

```
?show files;ds
File 990:NewsRoom Current/Nov 2003-2004/Mar 16
         (c) 2004 The Dialog Corporation
File 621:Gale Group New Prod.Annou.(R) 1985-2004/Mar 16
         (c) 2004 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2004/Mar 16
         (c) 2004 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2004/Mar 09
         (c)2004 The Gale Group
File 624:McGraw-Hill Publications 1985-2004/Mar 15
         (c) 2004 McGraw-Hill Co. Inc
File  95:TEME-Technology & Management 1989-2004/Feb W4
         (c) 2004 FIZ TECHNIK
File  15:ABI/Inform(R) 1971-2004/Mar 15
         (c) 2004 ProQuest Info&Learning
File 635:Business Dateline(R) 1985-2004/Mar 13
         (c) 2004 ProQuest Info&Learning
File 610:Business Wire 1999-2004/Mar 15
         (c) 2004 Business Wire.
File 647:CMP  Computer Fulltext 1988-2004/Mar W1
         (c) 2004 CMP Media, LLC
File 674:Computer News Fulltext 1989-2004/Mar W1
         (c) 2004 IDG Communications
File 275:Gale Group Computer DB(TM) 1983-2004/Mar 16
         (c) 2004 The Gale Group
File 696:DIALOG Telecom. Newsletters 1995-2004/Mar 15
         (c) 2004 The Dialog Corp.
File  16:Gale Group PROMT(R) 1990-2004/Mar 16
         (c) 2004 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File  47:Gale Group Magazine DB(TM) 1959-2004/Mar 16
         (c) 2004 The Gale group
File 482:Newsweek 2000-2004/Mar 09
         (c) 2004 Newsweek, Inc.
File 483:Newspaper Abs Daily 1986-2004/Mar 12
         (c) 2004 ProQuest Info&Learning
File 484:Periodical Abs Plustext 1986-2004/Mar W1
         (c) 2004 ProQuest
File 141:Readers Guide 1983-2004/Feb
         (c) 2004 The HW Wilson Co

Set     Items   Description
S1    7462488   PIPE? ? OR PIPELINE? ? OR CONDUIT? ? OR SUPPLY()LINE? ? OR
                CABLE? ? OR DUCT? ? OR PIPING? ? OR WIRE? ?
S2   16455317   UTILIT??? OR PETROL??? OR OIL OR GASOLINE OR GAS OR NATURA-
                LGAS OR TELEPHONE OR TELECOM? OR TELE()(PHONE OR COMMUNICATIO-
                N? ?) OR FIB??OPTIC? ? OR (FIBER OR FIBRE)(N)OPTIC?? OR ELECT-
                RIC??? OR POWER OR ENERGY OR FUEL
S3   15833991   BURY??? OR BURIE? ? OR LOCATED OR ADJACENT OR NEXT()TO OR -
                SIDE(2W)SIDE OR CONTIGUOUS OR END(2W)END OR ABUT? ? OR ABUTTI-
                NG OR ADJOIN??? OR UNDER? OR BENEATH OR SUBTERRANEAN OR BELOW
                OR SUBSURFACE OR INTER OR INTERR???
S4    1294991   MEDIAN? ? OR RIGHT(2W)WAY OR (EMERGENCY OR MEDIAL)()(LANE -
                OR LANES OR STRIP OR STRIPS) OR SHOULDER? ? OR BORDER? ? OR E-
                ASEMENT? ?
S5    3328976   HIGHWAY? ? OR INTERSTATE? ? OR FREEWAY? ? OR ROAD? OR TURN-
                PIKE? ? OR MOTORWAY? ? OR (HIGH OR FREE OR MOTOR OR THRU)()WA-
                Y? ? OR EXPRESSWAY? ? OR SUPERHIGHWAY? ? OR THOROUGHFARE? ? OR
                THRUWAY? ? OR THROUGHWAY? ? OR PIKE? ? OR TOLLROAD? ?
S6    1323634   S1(7N)S2
S7       1319   S3(10N)(S4(5N)S5)
S8         56   S6(S)S7
S9    1235277   S1(5N)S2
S10      1035   S3(7N)(S4(5N)S5)
```

S11	44	S9(10N)S[redacted]
S12	27209	INTERSTATE(5N)HIGHWAY?
S13	4	S8 AND S12
S14	1434576	S1(10N)S2
S15	3888	S3(S)(S4(7N)S5)
S16	9	S12 AND (S14(S)S15)
S17	22	S12 AND (S14 AND S15)
S18	12	S12(S)(S14 AND S15)
S19	16	S16 OR S18
S20	16	S19 NOT PY>2002
S21	16	S20 NOT PD=20020129:20040430
S22	16	RD (unique items)

22/3,K/2 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

04619060 SUPPLIER NUMBER: 08725776 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Location alternatives for fiber optic cable installation.
Najafi, Fazil T.; Nazef, Abdenour; Kaczorowski, Paul
Logistics and Transportation Review, v26, n2, p171(8)
June, 1990
ISSN: 0047-4991 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1837 LINE COUNT: 00149

...ABSTRACT: access to freeway right-of-way. This paper compares five transportation corridor options: (1) non-*interstate* *highway*; (2) private land; (3) railroad; (4) freeway median; and (5) freeway fence line. The Utility...
... the American Telephone and Telegraph Company (AT&T) to place two underground ducts in the *median* of the *Turnpike*. There are no data that would suggest that there are hazards connected with such installation...

...effectiveness of alternative transportation corridors for placing FOTS. Five alternate locations were identified: 1) non-*interstate* *highway*, 2) private land, 3) railroad, 4) freeway median, and 5) freeway fence line.
II. Background...

...such an impact varies not only according to the type of ROW (e.g., non-*interstate* *highway* versus freeway), but also according to where in the ROW the work will take place...U) for each corridor. For example, data regarding the safety of travelling public on non-*interstate* *highway* resulted in an average rating of 3.1 (Table 3, col. 2). This number was...

...desirable: 1) fence line of intersxtates and freeways; 2) railroad; 3) private land; 4) non-*interstate* *highway*; and 5) median of interstates and freeways.
IV. Conclusions and Recommendations
Since utilities are not...

...opinion, the installation of fiber optic cables in rural areas would have minimal effect on *interstate* *highway* safety and traffic flow due to a wider ROW than in urban areas.
Some highway...

...Council, Washington, D.C., 41st Annual Meeting, 1962.
[2] Phagan, R., "Longitudinal Underground Utilities on *Interstate* *Highways*," Published Memorandum to the Joint Use Task Force Members, Florida Department of Transportation, December, 1987...

22/3,K/5 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00666940 93-16161
Accommodation of longitudinal utilities on limited access right-of-way
Najafi, F T; Nazef, Abdenour; Kumar, Ashish; Tari, E Salimi
Logistics & Transportation Review v28n4 PP: 373-393 Dec 1992
ISSN: 0047-4991 JRNL CODE: LTR
WORD COUNT: 5512

...TEXT: Transportation announced a final rule permitting states to decide whether to allow certain types of *utilities*, such as *fiber*-*optic* (F.O.) communication *cables*, *telephone* lines, fire and police signal systems, *cable* TV lines and water mains, to be installed along freeway and *interstate* *highway* R/W. As a result, a new 1989 policy was published. The approach in the...

22/3,K/6 (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00277250 85-17684
Pre-Installed Dielectric FO Cable Gives Mountain Bell the Edge
Arnold, Earl N.; Fogg, Stephen A.
Telephony v208n17 PP: 64-69 Apr 29, 1985
ISSN: 0040-2656 JRNL CODE: TPH

ABSTRACT: The *cable* being used in Mountain Bell's 270-mile *fiber* *optic* long-distance network in Idaho is all dielectric 6-fiber single mode fiber of loose...

...and 3. a way to avoid the tendency of cable to creep back into the *duct* during placement in the field. After comprehensive testing, the *telephone* company laid out the route for the proposed *cable* taking advantage of a private *right*-of-*way* along the *interstate* *highway* system. When the soil could not be ripped or plowed, the pre-installed cable was...

... an open trench. In the 2nd phase of the project, Mountain Bell plans to use *optical* *fiber* *cable* pre-installed in high tensile strength *duct* in the *underground* conduit position.

22/3,K/7 (Item 1 from file: 635)
DIALOG(R)File 635:Business Dateline(R)

0699815 96-57169
Smart highway part of pitch for NAFTA route
Stopa, Marsha
Crains Detroit Business (Detroit, MI, US), V12 N19 p3
PUBL DATE: 960506
WORD COUNT: 1,042
DATELINE: Detroit, MI, US, North Central

TEXT:

...backers of one proposal are hoping fiber optics will make the difference.

Members of The *Interstate* *Highway* 35 Corridor Coalition visited the region last month to solicit support for a plan to...

...so-called Corridor 18 would be $5.5 billion, much of it federal money.

The *fiber*-*optic* *cable* that would be buried in the existing *freeway* *right* of *way* would be equipped with scanners every three miles that would relay information to customs officials...

22/3,K/9 (Item 3 from file: 635)
DIALOG(R)File 635:Business Dateline(R)

0423316 93-75454
Implications for transportation planning in Montana and the Rocky Mountain West
Swanson, Larry D
Montana Business Quarterly (Missoula, MT, US), V31 N1 s1 p14
PUBL DATE: 930400

WORD COUNT: 4,463
DATELINE: MT, US

TEXT:

...River Trade Corridor."

The third busiest border crossing is Coutts/Sweetgrass, where Alberta's 'Export *Highway*" meets *Interstate* 15 in Montana. Major construction is *underway* in Alberta on this route, with the eventual goal of a four-lane highway all...

...from Edmonton to Montana. Next busiest is North Portal/Portal on the Saskatchewan-North Dakota *border*, followed by Kingsgate/Eastport, on *Highway* 95 in the Idaho Panhandle.
EXISTING AND EMERGING CROSS-BORDER TRADE CORRIDOR IN THE WEST...

22/3,K/10 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

07055215 Supplier Number: 58529480 (USE FORMAT 7 FOR FULLTEXT)
Will You Pay Internet Tolls?(access fees to companies laying cable for Internet and other telecommunications services)
Moore, John
Sm@rt Reseller, v2, n21, p23
Sept 27, 1999
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 412

... ON INTERNET taxation, Utah and other states plan to charge access fees to companies laying *cable* for Internet and other *telecommunications* services along *interstate* *highways*..
Utah's Rights of Way Task Force earlier this year recommended a one-time $500-per-mile charge for *telecom* firms installing *cable* along *right*-of-*way* strips bordering *interstates*. But Utah governor Michael Leavitt has rejected the recommendation and has publicly suggested an annual fee of $1,000 per mile. Still, some observers in Utah say fees *under* consideration run as high as $250,000 per mile.
Telecom companies argue they have traditionally...

22/3,K/11 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

06038257 Supplier Number: 53500397 (USE FORMAT 7 FOR FULLTEXT)
Complex Task.
Griffin, Jeff
Underground Construction, v53, n12, p20(1)
Dec, 1998
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1422

... signals for new segments of the expanding the information highway.
Equipment and crews place cable *adjacent* to *interstate* *highways* , beside state *roads*, along railroad *right*-of-*way*, through small towns and major cities.
Although the internet and the information highway make news...

...digital voice, video and data communications. The new network also has excess dark fiber and *duct* capacity that *telecommunications* service

providers can use to cr[redacted] or expand their capacity and [redacted]ch. The network will...

...Jersey Transportation Authority's Atlantic City Expressway, and on the Delaware Department of Transportation's *Interstate* 95 John F. Kennedy Memorial *Highway*."

A 700-mile segment of another digital fiber network project completed a year ago required...

22/3,K/13 (Item 1 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)

01860284
Washington industry notebook: The US Department of Transportation,,,
Computerworld February 8, 1988 p. 74
ISSN: 0010-4841

Telecommunications companies will find it easier to lay *fiber* *optic* *cable* in *right*-of-*way* sections on *interstate* *highways* *under* a final rule from the US Transportation Dept. The rule allows states to determine whether...

22/3,K/14 (Item 2 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)

01433409
Fiber optics: New York State pushes high-tech network.
NEWSDAY (NASSAU EDITION) April 7, 1986 p. Bus,11

... State Thruway for a fiber optics network.An old federal rule prevents the use of *interstate* *highways* for a *telecommunications* network. If New York prevails, *fiber*-*optic* *cable* can be *buried* quickly and cheaply along the most direct routes between centers of commerce. Governor Mario Cuomo...

... plan for a digital highway to transport the conversations of computers. The design of the *interstate*-*highway* system leaves much of the *right* -of-*way* unpaved. This significantly reduces the cost and the time needed to *bury* cable. The Federal Highway Administration indicated that it might budge when it announced it will...

22/3,K/15 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)

05209624 SUPPLIER NUMBER: 20158695 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Interstate 35: the road well-traveled - an international trade corridor drives economic development. (Special Advertising Section)
Stabler, Carol
Industry Week, v247, n2, p41(8)
Jan 19, 1998
ISSN: 0039-0895 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 5960 LINE COUNT: 00491

... the bilateral trade between the U.S. and Canada traveling by truck crossed the international *border* on the Ambassador Bridge.

Interstate 94 also connects the major U.S./Canadian border crossings of the Detroit/Windsor Tunnel and the Blue Water Bridge at Port Huron/Sarnia. *Interstate* routes on *Highway* 94 from Detroit to Chicago, and on Highway 80 from Chicago "' to Des Moines enable direct connections

to *Interstate* *Highway [redacted]5, the main trunk line of the [redacted]ernational Transportation Corridor.

Further south along the route...

22/AA,AN,TI/1 (Item from file: 148)
DIALOG(R)File 148:(c)2004 The Gale Group. All rts. reserv.

12152014 SUPPLIER NUMBER: 61894033
WIRELESS COMMUNICATIONS A MODERN NECESSITY.

22/AA,AN,TI/2 (Item 2 from file: 148)
DIALOG(R)File 148:(c)2004 The Gale Group. All rts. reserv.

04619060 SUPPLIER NUMBER: 08725776
Location alternatives for fiber optic cable installation.

22/AA,AN,TI/3 (Item 3 from file: 148)
DIALOG(R)File 148:(c)2004 The Gale Group. All rts. reserv.

02033212 SUPPLIER NUMBER: 03250853
So it's time to build a new warehouse.

22/AA,AN,TI/4 (Item 1 from file: 15)
DIALOG(R)File 15:(c) 2004 ProQuest Info&Learning. All rts. reserv.

01262158 99-11554
Office siting

22/AA,AN,TI/5 (Item 2 from file: 15)
DIALOG(R)File 15:(c) 2004 ProQuest Info&Learning. All rts. reserv.

00666940 93-16161
Accommodation of longitudinal utilities on limited access right-of-way

22/AA,AN,TI/6 (Item 3 from file: 15)
DIALOG(R)File 15:(c) 2004 ProQuest Info&Learning. All rts. reserv.

00277250 85-17684
Pre-Installed Dielectric FO Cable Gives Mountain Bell the Edge

22/AA,AN,TI/7 (Item 1 from file: 635)
DIALOG(R)File 635:(c) 2004 ProQuest Info&Learning. All rts. reserv.

96-57169
Smart highway part of pitch for NAFTA route

22/AA,AN,TI/8 (Item 2 from file: 635)
DIALOG(R)File 635:(c) 2004 ProQuest Info&Learning. All rts. reserv.

95-34067
Developer to buy key tract at DIA

22/AA,AN,TI/9 (Item 3 from file: 635)
DIALOG(R)File 635:(c) 2004 ProQuest Info&Learning. All rts. reserv.

93-75454
Implications for transportation planning in Montana and the Rocky Mountain West

22/AA,AN,TI/10 (Item 1 from file: 16)

DIALOG(R)File 16:(c) 2[redacted] The Gale Group. All rts. reser[redacted]

07055215 Supplier Number: 58529480
Will You Pay Internet Tolls?(access fees to companies laying cable for Internet and other telecommunications services)

22/AA,AN,TI/11 (Item 2 from file: 16)
DIALOG(R)File 16:(c) 2004 The Gale Group. All rts. reserv.

06038257 Supplier Number: 53500397
Complex Task.

22/AA,AN,TI/12 (Item 3 from file: 16)
DIALOG(R)File 16:(c) 2004 The Gale Group. All rts. reserv.

04339687 Supplier Number: 46364456
Smart highway part of pitch for NAFTA route

22/AA,AN,TI/13 (Item 1 from file: 160)
DIALOG(R)File 160:(c) 1999 The Gale Group. All rts. reserv.

01860284
Washington industry notebook: The US Department of Transportation,,,

22/AA,AN,TI/14 (Item 2 from file: 160)
DIALOG(R)File 160:(c) 1999 The Gale Group. All rts. reserv.

01433409
Fiber optics: New York State pushes high-tech network.

22/AA,AN,TI/15 (Item 1 from file: 47)
DIALOG(R)File 47:(c) 2004 The Gale group. All rts. reserv.

05209624 SUPPLIER NUMBER: 20158695
Interstate 35: the road well-traveled - an international trade corridor drives economic development.(Special Advertising Section)

22/AA,AN,TI/16 (Item 1 from file: 484)
DIALOG(R)File 484:(c) 2004 ProQuest. All rts. reserv.

04726044 SUPPLIER NUMBER: 52434991
Wireless communications: A modern necessity